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Application No. 10/730,223

Docket No.: S9025.0331

**AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph at page 3, line 30 through page 4, line 1, of the specification with the following paragraph:

-- The present invention is also a colorant dispersion of at least about 45 wt.% colorant, based on the total weight of the dispersion, containing a polymeric colored dispersant of the structure A-(B-X)<sub>n</sub>, wherein A, B, X, and n are as described above. --

Please replace the three paragraphs at page 4, lines 3-13, with the following paragraphs, respectively:

-- The present invention also provides ~~an organic pigment a~~ colorant dispersion of at least 45 wt.% ~~organic pigment~~ colorant and a dispersant, having a viscosity less than about 150Pa.s.

The present invention also provides a method of lowering the viscosity of ~~an organic pigment a~~ colorant dispersion to less than about 150 Pa.s., ~~said dispersion~~ containing a pigment colorant and a polymeric colored dispersant, wherein said dispersant has the structure A-(B-X)<sub>n</sub>, wherein A, B, X, and n are as described above.

The present invention further provides a printing ink composition having ~~an organic pigment a~~ colorant dispersion containing a polymeric colored dispersant of the structure A-(B-X)<sub>n</sub>, wherein A, B, X, and n are as described above. --

Please replace the two paragraphs at page 5, lines 8-16, with the following paragraphs, respectively:

-- As for the linking moiety (B), suitable linking moieties are selected from but not limited to, moieties that contain the elements O, N, or S. It is preferred that the linking moiety ~~contain~~ contains an amino group.

As for ~~polymeric covalently~~ covalently linked hydrocarbons ~~(C)~~ (X), suitable polymeric covalently linked hydrocarbons are selected from but not limited to either branched or linear hydrocarbons. The polymeric

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hydrocarbon may be a C<sub>50</sub>-C<sub>200</sub> hydrocarbon, preferably a C<sub>100</sub>-C<sub>150</sub> hydrocarbon. The polymeric hydrocarbon may, for example, be a polyalkylene and more preferred is polyisobutylene. --

Please replace the two paragraphs at page 5, line 23 through page 6, line 12, with the following paragraphs, respectively:

-- The dispersant is to be contained in a colorant dispersion which may further contain between about ~~40 wt. %~~ 45 wt. % to about 90 wt. %, based on the total weight of the colorant dispersion, of a colorant, which is an organic pigment, carbon black or dye. It is preferred that the pigment colorant be present from about 45 wt. % to about 65 wt. %. Suitable organic pigments and dyes for colorant include, but are not limited to mono and diazo pigments, phthalocyanine pigments, quinacridone pigments, rhodamine dyes and pigments, perylene pigments, diketopyrroloes pigments, anthraquinone dyes and pigments, indanthrene dyes, lake pigments, dioxazine pigments, isoindolinone pigments, and dioxazine pigments. It is preferred that the pigment colorant be selected from carbon black or a red, yellow, violet or blue organic pigments, including but not limited to Pigment Yellow 12, Pigment yellow 13, Pigment Yellow 14, Pigment Yellow 74, Pigment Yellow 150, Pigment Orange 5, Pigment Orange 13, Pigment Orange 16, Pigment Orange 64, Pigment Red 2, Pigment Red 81:2, Pigment Red 122, Pigment Red 144, Pigment Red 166, Pigment Red 179, Pigment Red 184, Pigment Red 202, Pigment Red 254, Pigment Red 264, Pigment Violet 1, Pigment Violet 2, Pigment Violet 3, Pigment Violet 19, Pigment Violet 23, Pigment Blue 15:3, and Pigment Blue 15:4.

The dispersant of the present invention significantly reduces viscosity of highly pigmented dispersions when employed in relatively small amounts. For example, the dispersant is effective when used in amounts of about 1 wt. % to about 15 wt. % based on the weight of the pigment colorant, and more preferably about 10 wt. %. --